Claims:

1. (Currently Amended) A system for facilitating statistical analysis of events, the system comprising:

a first input device operable to receive raw data regarding the events, including the nature, place, time, and date of each event, and convert the raw data into formatted data having a suitable electronic format;

a memory storage device operable to store the formatted data;

a computer-readable medium encoded with a code segment operable to enable a computer to perform date gap analysis and control chart analysis on the formatted data and make workload adjustments thereto to produce an analysis output, wherein the date gap analysis includes determining an elapsed time between each of three or more consecutive events and an average elapsed time, and wherein the output includes a chart illustrating a value for each elapsed time according to a sequence in which the consecutive events occurred ~~indicates a value for each elapsed time~~ and a value for the average elapsed time;

a display device operable to display the analysis output; and

a second input device operable to allow a user to request a more specific analysis of at least one identified event, with the identified event being user-selected from the display.

2. (Original) The system as set forth in claim 1, the input device receiving data on a daily basis.

3. (Original) The system as set forth in claim 1, the events involving employee illness and injury.

4. (Currently Amended) The system as set forth in claim 1, the ~~analysis output being displayed in~~ chart ~~format~~ including a graph with a first graph axis and a second graph axis, wherein each of the three or more consecutive events is represented by a point on the graph, the points being approximately equally spaced along the first graph axis in the order the consecutive events occurred and placed along the second graph axis such that the position of each point along the second graph axis represents an elapsed time between the event corresponding to the point and the event corresponding to an immediately preceding point, wherein at least one consecutive pair of the points is connected by a graph line.

5. (Original) The system as set forth in claim 1, the analysis output being displayed in tabular format.

6. (Original) The system as set forth in claim 1, the second input device being selected from the group consisting of: computer mice, trackballs, light pens, touch sensitive screens, keyboards.

7. (Currently Amended) A combination of computer code segments stored on computer readable memory and executable using at least one computer and operable to facilitate statistical analysis of events, the combination of code segments comprising:

a code segment for receiving data regarding the events;

at least one code segment for performing date gap analysis and control chart analysis on the data and for adjusting the data for workload and for producing an analysis output, wherein the date gap analysis includes determining an elapsed time between each of three or more consecutive events and an average elapsed time, and wherein the output includes a chart illustrating a value for each elapsed time according to a sequence in which the consecutive events occurred ~~indicates a value for each elapsed time~~ and a value for the average elapsed time;

a code segment for displaying the analysis output as a chart;

a code segment for receiving input requesting a more specific analysis of at least one identified portion of the data, with the identified portion being selected from the chart; and

a code segment for performing the more specific analysis, producing detailed analysis output, and displaying the detailed analysis output.

8. (Original) The combination of computer code segments of claim 7, with at least one of the code segments being stored and executed on a first computer, and at least one of the code segments being stored and executed on a second computer, and the first and second computers being operable to communicate with each other.

9. (Original) The combination of computer code segments set forth in claim 7, further comprising a code segment for separating the data into a plurality of data sets based upon a predetermined separation criteria.

10. (Currently Amended) The combination of computer code segments of claim 7, the ~~events involving employee illness and injury~~ chart including a graph with a first graph axis and a second graph axis, wherein each of the three or more consecutive events is represented by a point on the graph, the points being approximately equally spaced along the first graph axis in the order the consecutive events occurred and placed along the second graph axis such that the position of each point along the second graph axis represents an elapsed time between the event corresponding to the point and the event corresponding to an immediately preceding point, wherein at least one consecutive pair of the points is connected by a graph line.

11. (Original) The combination of computer code segments of claim 7, the more specific analysis involving performing date gap analysis, control chart analysis, and workload adjustment on the identified portion of the data.

12. (Currently Amended) A method for facilitating monitoring and analysis of events, the method comprising the steps of:

(a) obtaining data regarding the events;

(b) formatting the data in a common format;

(c) performing date gap analysis on the data with a computer processor, wherein the date gap analysis includes determining an elapsed time between each of three or more consecutive events and an average elapsed time;

(d) performing control chart analysis on the data with a computer processor;

(e) adjusting the data for work load;

(f) displaying the data, including a chart illustrating a value for each elapsed time according to a sequence in which the consecutive events occurred ~~value for each elapsed time~~ and a value for the average elapsed time; and

(g) responding to a request for a more specific analysis of at least one event selected from the displayed data by displaying information specifically regarding the identified event.

13. (Original) The method as set forth in claim 12, step (a) being performed on a daily basis.

14. (Original) The method as set forth in claim 12, the data including the nature, place, time, and date of each event.

15. (Currently Amended) The method as set forth in claim 12, the ~~events involving employee illness and injury~~ chart including a graph with a first graph axis and a second graph axis, wherein each of the three or more consecutive events is represented by a point on the graph, the points being approximately equally spaced along the first graph axis in the order the consecutive events occurred and placed along the second graph axis such that the position of each point along the second graph axis represents an elapsed time between the event corresponding to the point and the event corresponding to an immediately preceding point, wherein at least one consecutive pair of the points is connected by a graph line.

16. (Original) The method as set forth in claim 12, step (g) including performing date gap analysis, control chart analysis, and work load adjustment on the selected event and displaying the resulting chart.

17. (Currently Amended) A method for facilitating statistical analysis of events, the analysis being performed on data representing different types of events, the method comprising the steps of:

(a) obtaining the data regarding the events, with the nature of the data depending on the type of event;

(b) storing the data in different data sets;

(c) producing output by performing date gap analysis and control chart analysis on at least one data set with a computer processor and adjusting the data set for workload, wherein the date gap analysis includes determining an elapsed time between each of three or more consecutive events and an average elapsed time, and wherein the output includes a chart illustrating a value for each elapsed time according to a sequence in which the consecutive events occurred ~~indicates a value for each elapsed time~~ and a value for the average elapsed time;

(d) displaying the output as a chart; and

(e) responding to a request for a more specific analysis of at least one identified event in the data set, the identified event being selected from the chart produced in step (d), by displaying information specifically regarding the identified event.

18. (Original) The method as set forth in claim 17, step (a) being performed on a daily basis.

19. (Currently Amended) The method as set forth in claim 17, the ~~events involving illness and injury~~ chart including a graph with a first graph axis and a second graph axis, wherein each of the three or more consecutive events is represented by a point on the graph, the points being approximately equally spaced along the first graph axis in the order the consecutive events occurred and placed along the second graph axis such that the position of each point along the second graph axis represents an elapsed time between the event corresponding to the point and the event corresponding to an immediately preceding point, wherein at least one consecutive pair of the points is connected by a graph line.

20. (Original) The method as set forth in claim 17, step (e) including performing date gap analysis, control chart analysis, and workload adjustment on the identified event, as in step (c), and displaying the resulting chart.

21. (Original) The method of as set forth in step 17, further including the step of (f) responding to a request to perform steps (c) through (e) on different data sets by performing steps (c) through (e) on the different data sets and displaying simultaneously the resulting charts.

22–26. (Cancelled)

27. (Previously Presented) The computer-readable medium as set forth in claim 12, wherein step (e) further includes the step of:

(e1) correlating a number of events with a number of working employees to determine if the number of events is proportional with the number of working employees.